AMENDMENTS TO THE CLAIMS

1. (Original) A method of making a wear-resistant element, comprising:

shaping and sintering a material into a compact using iron-based alloy powder containing Cr; and

conducting a nitriding treatment having no carburizing action to the compact, thereby causing a surface of the compact to have a mixed structure of an Fe-Cr-N compound layer, an Fe-Cr-N diffused layer, and a matrix.

2. (Original) A method of making a wear-resistant element, comprising:

shaping and sintering a material into a compact using alloy powder in which at least one metallic element selected from Mn, Ti and V is contained in iron-based alloy powder containing Cr; and

conducting a nitriding treatment having no carburizing action to the compact, thereby causing a surface of the compact to have a mixed structure of an Fe-Cr-N compound layer, an Fe-Cr-N diffused layer, and a matrix.

3. (Original) The method according to claim 1 or 2, wherein the compact has pores formed in the surface thereof, the Fe-Cr-N compound layer being formed at locations adjacent the pores, the mixed structure of the Fe-Cr-N diffused layer and the matrix being formed at locations remote from the pores.

4. (Original) A method of making a wear-resistant element, comprising:

shaping and sintering a material into a compact using iron-based alloy powder containing Cr; and

conducting a nitriding treatment having no carburizing action to the compact, thereby causing a surface of the compact to have a mixed structure of an Fe-Cr-N compound layer, an Fe-Cr-N diffused layer, and a matrix of a sorbite structure.

5. (Original) The method according to claim 4, wherein the compact has pores formed in the surface thereof, the Fe-Cr-N compound layer being formed at locations adjacent the pores, the mixed structure of the Fe-Cr-N diffused layer and the matrix of the sorbite

structure being formed at locations remote from the pores.

6. (Original) A method of making a wear-resistant element, comprising:

shaping and sintering a material into a compact using iron-based alloy powder containing Cr;

quenching and tempering the compact;

conducting a nitriding treatment having no carburizing action to the compact; and

partially removing a surface of the compact, thereby causing the surface of the compact to have a mixed structure containing at least an Fe-Cr-N compound layer.

- 7. (Currently Amended) The method according to any one of claims 1 to 6claim 1, further comprising conducting an atmospheric treatment to the compact before the nitriding treatment.
- **8.** (Original) The method according to claim 7, wherein the atmospheric treatment is conducted at a temperature of 380°C or more.
- 9. (Original) A wear-resistant element comprising:
 - a sintered and nitrided material having a surface; and
- a mixed structure of an Fe-Cr-N compound layer, an Fe-Cr-N diffused layer, and a matrix formed in the surface of the sintered and nitrided material,

wherein the surface of the sintered and nitrided material is entirely covered with grains or protrusions of $0.1 \sim 0.5 \mu m$.

- 10. (New) The method according to claim 2, further comprising conducting an atmospheric treatment to the compact before the nitriding treatment.
- 11. (New) The method according to claim 3, further comprising conducting an atmospheric treatment to the compact before the nitriding treatment.

- 12. (New) The method according to claim 4, further comprising conducting an atmospheric treatment to the compact before the nitriding treatment.
- 13. (New) The method according to claim 5, further comprising conducting an atmospheric treatment to the compact before the nitriding treatment.
- **14.** (New) The method according to claim 6, further comprising conducting an atmospheric treatment to the compact before the nitriding treatment.
- 15. (New) The method according to claim 10, wherein the atmospheric treatment is conducted at a temperature of 380°C or more.
- 16. (New) The method according to claim 11, wherein the atmospheric treatment is conducted at a temperature of 380°C or more.
- 17. (New) The method according to claim 12, wherein the atmospheric treatment is conducted at a temperature of 380°C or more.
- 18. (New) The method according to claim 13, wherein the atmospheric treatment is conducted at a temperature of 380°C or more.
- 19. (New) The method according to claim 14, wherein the atmospheric treatment is conducted at a temperature of 380°C or more.